

77
SEQUENCE LISTING

<110> Levy, Andrew P.

<120> NOVEL ANTIOXIDANT, NUCLEIC ACID CONSTRUCTS ENCODING SAME,
PHARMACEUTICAL COMPOSITIONS CONTAINING SAME AND USE OF SAME FOR REDUCING
OXIDATIVE-STRESS

<130> 01/22194

<160> 20

<170> PatentIn version 3.1

<210> 1

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<212> DNA

<213> Artificial sequence

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33

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0990463-01101

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<211> 738

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<213> Homo sapiens

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aaaaatctct tcctgaacca ttcagaaaat gcaacagcga aagacattgc ccctacttta 180

acactctatg tggggaaaaa gcagcttgta gagattgaga aggttgttct acaccctaac 240

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<211> 246

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gtttctgggt gggggcgaaa tgccaatttt aaatttactg accatctgaa gtatgtcatg	180
ctgcctgtgg ctgaccaaga ccaatgcata aggcattatg aaggcagcac agtccccgaa	240
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<213> Homo sapiens

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cgcacagaag gagatggagt atacacctta aatgataaga agcagtggat aaataaggct 180

gttgagata aacttcctga atgtgaagca gatgacggct gcccgagcc ccccgagatt 240

gcacatggct atgtggagca ctcggttcgc taccagtgtg agaactacta caaactgcgc 300

acagaaggag atggagtgtg caccttaaac aatgagaagc agtggataaa taaggctgtt 360

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attgcacatg gctatgtgga gcaactcggtt cgctaccagt gtaagaacta ctacaaactg 120

0990445.01101

cgcacagaag gagatggagt atacacctta aatgataaga agcagtggat aaataaggct 180
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<212> PRT

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 20 25 30

Glu Gln Trp Leu Leu Thr Thr Ala Lys Met Leu Phe Leu Asn His Ser
 35 40 45

Glu Asn Ala Thr Ala Lys Asp Ile Ala Pro Thr Leu Thr Leu Tyr Val
 50 55 60

Gly Lys Lys Gln Leu Val Glu Ile Glu Lys Val Val Leu His Pro Asn
 65 70 75 80

Tyr Ser Gln Val Asp Ile Gly Leu Ile Lys Leu Lys Gln Lys Val Ser
 85 90 95

Val Asn Glu Arg Val Met Pro Ile Cys Leu Pro Ser Lys Asp Tyr Ala
 100 105 110

Glu Val Gly Arg Val Gly Tyr Val Ser Gly Trp Gly Arg Asn Ala Asn
 115 120 125

Phe Lys Phe Thr Asp His Leu Lys Tyr Val Met Leu Pro Val Ala Asp
 130 135 140

Gln Asp Gln Cys Ile Arg His Tyr Glu Gly Ser Thr Val Pro Glu Lys
 145 150 155 160

0903463-071101

Lys Thr Pro Lys Ser Pro Val Gly Val Gln Pro Ile Leu Asn Glu His
 165 170 175

Thr Phe Cys Ala Gly Met Ser Lys Tyr Gln Glu Asp Thr Cys Tyr Gly
 180 185 190

Asp Ala Gly Ser Ala Phe Ala Val His Asp Leu Glu Glu Asn Ile Trp
 195 200 205

Tyr Ala Thr Gly Ile Leu Ser Phe Asp Lys Ser Cys Ala Val Ala Glu
 210 215 220

Tyr Gly Val Tyr Val Lys Val Thr Ser Ile Gln Asp Trp Val Gln Lys
 225 230 235 240

Thr Ile Ala Glu Asn
 245

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<212> PRT

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Ser Val Asn Glu Arg Val Met Pro Ile Cys Leu Pro Ser Lys Asp Tyr
 20 25 30

Ala Glu Val Gly Arg Val Gly Tyr Val Ser Gly Trp Gly Arg Asn Ala
 35 40 45

Asn Phe Lys Phe Thr Asp His Leu Lys Tyr Val Met Leu Pro Val Ala
 50 55 60

Asp Gln Asp Gln Cys Ile Arg His Tyr Glu Gly Ser Thr Val Pro Glu
 65 70 75 80

Lys Lys

000045-0101

<210> 17

<211> 42

<212> PRT

<213> Homo sapiens

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Val	Ser	Gly	Trp	Gly	Arg	Asn	Ala	Asn	Phe	Lys	Phe	Thr	Asp	His	Leu
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Lys	Tyr	Val	Met	Leu	Pro	Val	Ala	Asp	Gln	Asp	Gln	Cys	Ile	Arg	His
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Tyr	Glu	Gly	Ser	Thr	Val	Pro	Glu	Lys	Lys
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<210> 18

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<212> PRT

<213> Homo sapiens

<400> 18

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Lys	Tyr	Val	Met	Leu
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<210> 19

<211> 129

<212> PRT

<213> Homo sapiens

050446-0110

<400> 19

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Gln Cys Lys Asn Tyr Tyr Lys Leu Arg Thr Glu Gly Asp Gly Val Tyr
 35 40 45

Thr Leu Asn Asp Lys Lys Gln Trp Ile Asn Lys Ala Val Gly Asp Lys
 50 55 60

Leu Pro Glu Cys Glu Ala Asp Asp Gly Cys Pro Lys Pro Pro Glu Ile
 65 70 75 80

Ala His Gly Tyr Val Glu His Ser Val Arg Tyr Gln Cys Lys Asn Tyr
 85 90 95

Tyr Lys Leu Arg Thr Glu Gly Asp Gly Val Tyr Thr Leu Asn Asn Glu
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Lys Gln Trp Ile Asn Lys Ala Val Gly Asp Lys Leu Pro Glu Cys Glu
 115 120 125

Ala

<210> 20

<211> 70

<212> PRT

<213> Homo sapiens

<400> 20

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Lys Pro Pro Arg Ile Ala His Gly Tyr Val Glu His Ser Val Arg Tyr
 20 25 30

09903463-01101

Leu Pro Glu Cys Glu Ala
65 70

General Data		Demographics		Disease		Treatment		Outcome		Follow-up	
Variable	Value	Variable	Value	Variable	Value	Variable	Value	Variable	Value	Variable	Value
Age (years)	65.2	Gender (Male/Female)	45/20	Duration (years)	12.5	Treatment (A/B)	25/15	Outcome (Success/Failure)	30/10	Follow-up (months)	18.3
Weight (kg)	78.5	Ethnicity (White/Black/Asian)	35/10/5	Severity (Mild/Moderate/Severe)	10/15/5	Side Effects (None/Minor/Major)	15/10/5	Recurrence (Yes/No)	10/20	Quality of Life (Score)	75.4
Height (cm)	175.3	Education (High School/College/Graduate)	15/10/5	Comorbidities (Hypertension/Diabetes)	10/15	Adherence (Yes/No)	20/10	Long-term (Yes/No)	15/15	Patient Satisfaction (Score)	82.1
BMI (kg/m²)	25.8	Occupation (Professional/Service/Unemployed)	10/10/10	Family History (Yes/No)	15/15	Healthcare Access (Yes/No)	20/10	Healthcare Access (Yes/No)	15/15	Healthcare Access (Yes/No)	15/15
Smoking Status (Yes/No)	10/10	Marital Status (Married/Single/Divorced)	15/10/5	Genetic Testing (Yes/No)	10/10	Healthcare Access (Yes/No)	15/10	Healthcare Access (Yes/No)	15/10	Healthcare Access (Yes/No)	15/10
Alcohol Consumption (Yes/No)	10/10	Religion (Christian/Muslim/Jewish)	10/10/10	Genetic Testing (Yes/No)	10/10	Healthcare Access (Yes/No)	15/10	Healthcare Access (Yes/No)	15/10	Healthcare Access (Yes/No)	15/10
Exercise Frequency (Times/Week)	2.5	Language (English/Spanish/Other)	10/10/10	Genetic Testing (Yes/No)	10/10	Healthcare Access (Yes/No)	15/10	Healthcare Access (Yes/No)	15/10	Healthcare Access (Yes/No)	15/10
Medication (Yes/No)	10/10	Health Insurance (Yes/No)	15/10	Genetic Testing (Yes/No)	10/10	Healthcare Access (Yes/No)	15/10	Healthcare Access (Yes/No)	15/10	Healthcare Access (Yes/No)	15/10
Comorbidities (Hypertension/Diabetes)	10/15	Health Insurance (Yes/No)	15/10	Genetic Testing (Yes/No)	10/10	Healthcare Access (Yes/No)	15/10	Healthcare Access (Yes/No)	15/10	Healthcare Access (Yes/No)	15/10
Family History (Yes/No)	15/15	Health Insurance (Yes/No)	15/10	Genetic Testing (Yes/No)	10/10	Healthcare Access (Yes/No)	15/10	Healthcare Access (Yes/No)	15/10	Healthcare Access (Yes/No)	15/10
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